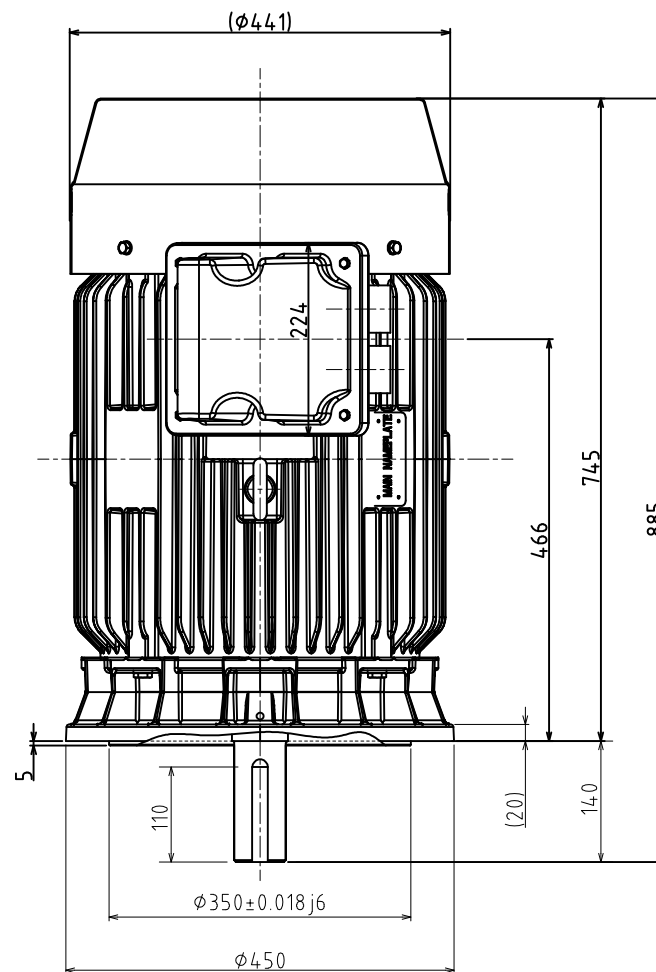
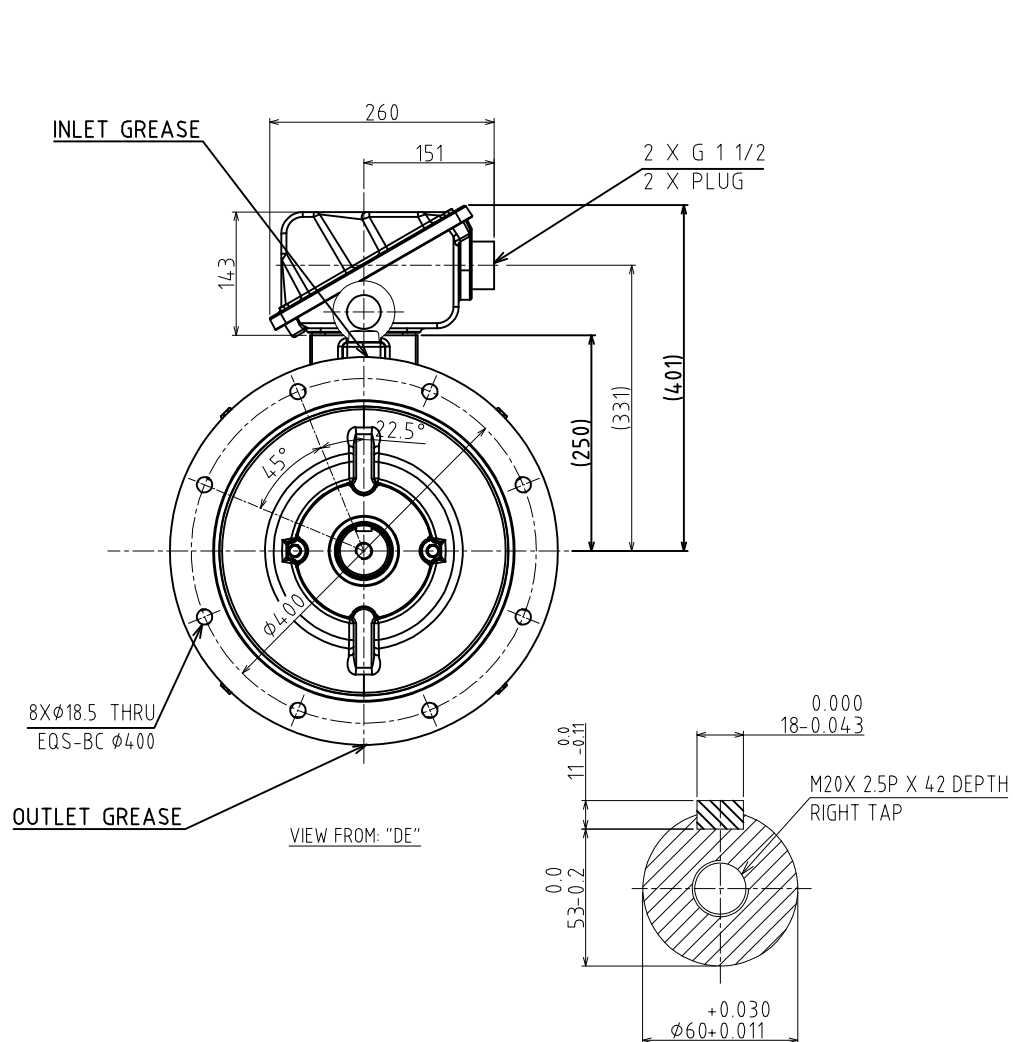




ROTATION: CCW
VIEW FROM: ODE

UNIT: mm

TOSHIBA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT WITHOUT NOTICE. DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS CERTIFIED.

B5-FLANGE MOTOR
OL DRAWING IEC GLOBAL

TYPE: 4-6P - 400V
FRAME: 225S

TOLERANCES
X. ±2.0
X.X ±0.5
X.XX ±0.1

MAXIMUM
MOTOR WEIGHT

-- lbs.
-- kgs.

02	Change to dimension KEY thickness	T.Danh	Sep-08-18	B.Quynh
01	Change to new design Frame footless	T.Danh	May-21-18	B.Quynh
NO	REVISION	DRAWN BY	DATE	CHECK

EQP Global SD
XT SERIES

DRAWN BY: HIEN. NGUYEN
CHECK BY: B.X.QUYNH
APPROVED BY: JAY BUGBEE
www.toshiba.com/ind

TOSHIBA
TOSHIBA INTERNATIONAL CORPORATION

3HFN000250

TOSHIBA INTERNATIONAL CORPORATION Industrial Division / Houston Motor Plant SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS	INDEX	MPCF-1033
	SHEET NO.	1 of 1
	ISSUED	7/31/13
	SUPERSEDES	11/8/96
	REVISION	2
	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA			
H.P.: -	VOLTS: 400	3 PH / 50 Hz	S. RPM: 1000
FRAME: 225S	ENCL: TEFC	FLAMPS: 59	FLRPM: 980
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0306SDMW7JS-P		kW: 30	
NOM. EFF.: 92.9	MIN. EFF.: -	cosØ 0.78	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 383	FULL LOAD (lb-ft.): 215	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 335	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 380	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.2	FULL LOAD: 78.4
3/4 LOAD: 93.8	3/4 LOAD: 72.8
1/2 LOAD: 92.2	1/2 LOAD: 61.7

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT. THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%. * TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12 OR -20. ** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).
--

CERTIFIED BY: Zichao Xie

DATE: 9/14/2020

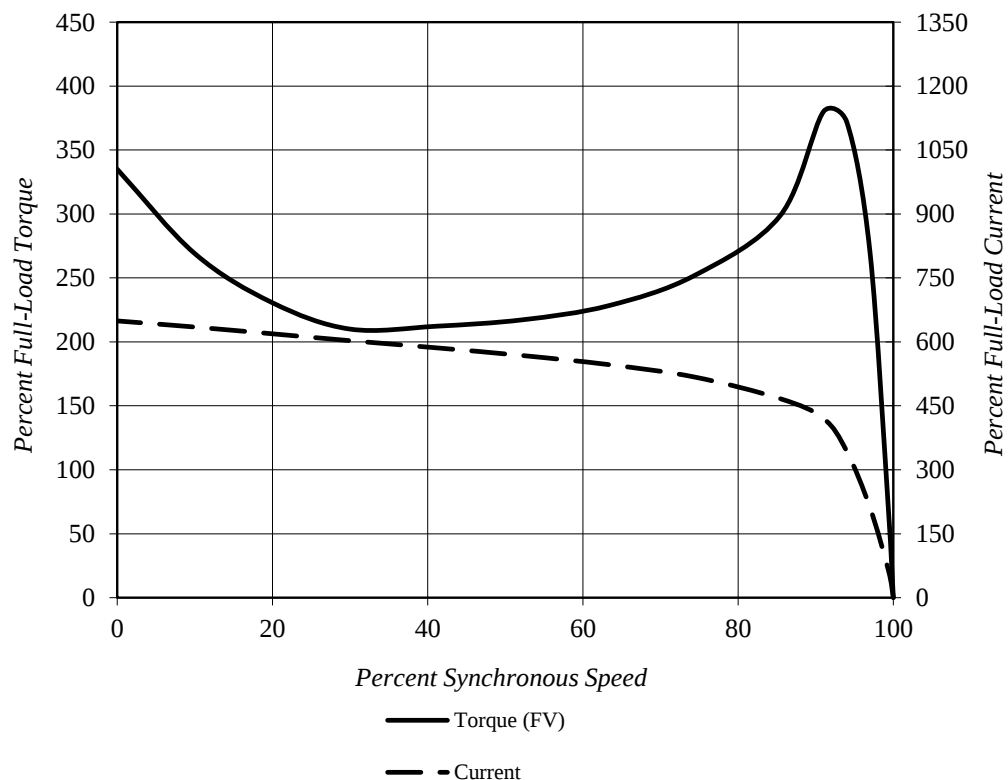
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0306SDMW7JS-P			FLAmps:	59
Enclosure:	TEFC	Voltage:	400 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	30	Rotor Inertia:	18.7 lb-ft ²	Date:	9/14/2020
FLRPM:	980	Load Inertia:	N/A	File:	GH6030 (30kW)

Locked Rotor Amps:	383 A	Load Type:	N/A
Locked Rotor Torque:	335%	Starting at:	N/A
Breakdown Torque:	380%	Accel. Time:	N/A
Rated Torque:	215 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

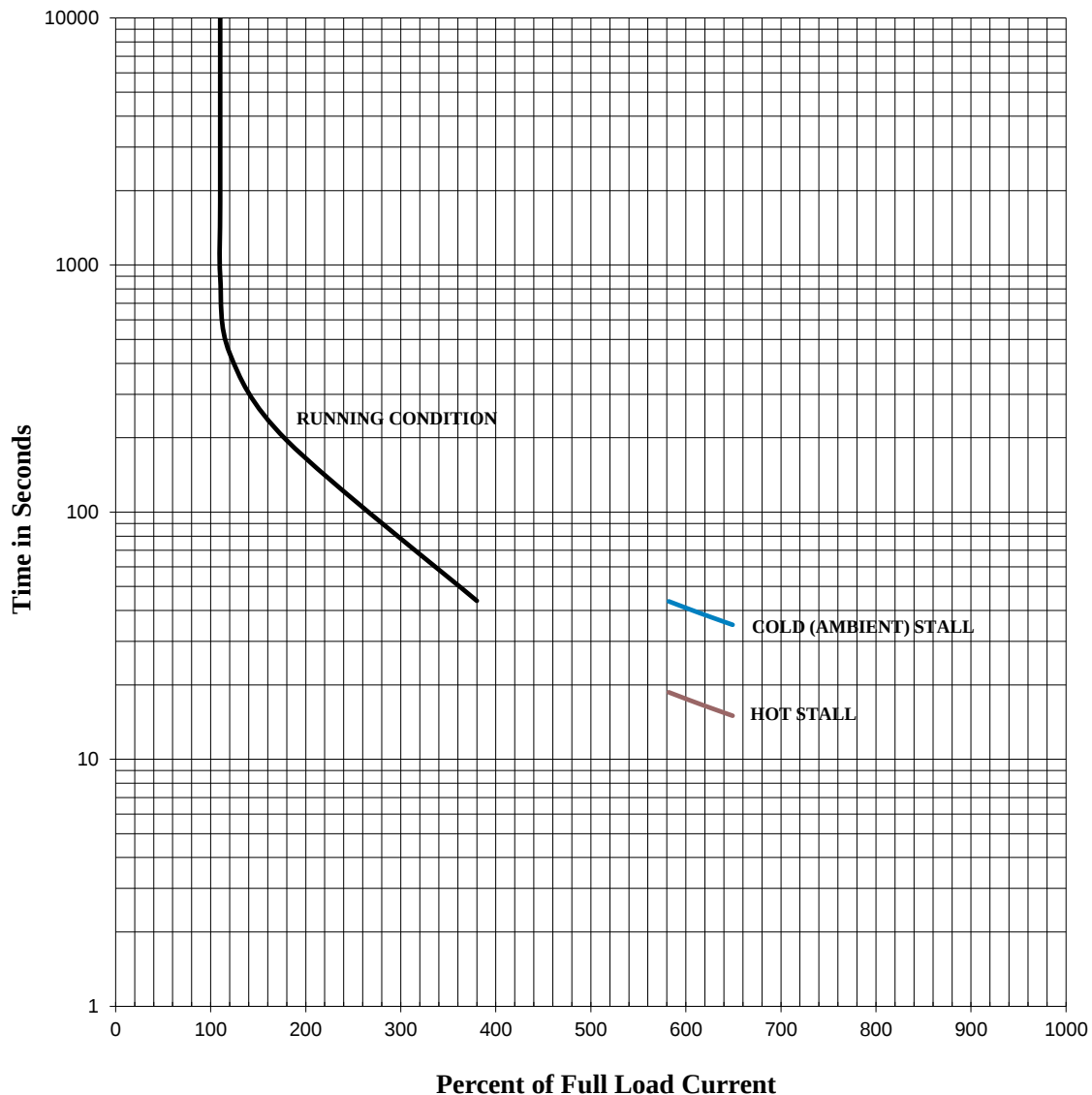
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0306SDMW7JS-P			FLAmps:	59
Enclosure:	TEFC	Voltage:	400 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	30	Rotor Inertia:	18.7 lb-ft ²	Date:	9/14/2020
FLRPM:	980	Load Inertia:	N/A	File:	GH6030 (30kW)



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

Checked by:

TOSHIBA INTERNATIONAL CORPORATION Industrial Division / Houston Motor Plant SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS	INDEX	MPCF-1033
	SHEET NO.	1 of 1
	ISSUED	7/31/13
	SUPERSEDES	11/8/96
	REVISION	2
	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA			
H.P.: -	VOLTS: 415	3 PH / 50 Hz	S. RPM: 1000
FRAME: 225S	ENCL: TEFC	FLAMPS: 58	FLRPM: 985
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0306SDMW7JS-P		kW: 30	
NOM. EFF.: 92.9	MIN. EFF.: -	cosØ 0.76	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 400	FULL LOAD (lb-ft.): 214	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 365	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 405	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.3	FULL LOAD: 76.7
3/4 LOAD: 93.7	3/4 LOAD: 70.4
1/2 LOAD: 91.9	1/2 LOAD: 58.6

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT. THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%. * TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12 OR -20. ** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).
--

CERTIFIED BY: Zichao Xie

DATE: 9/14/2020

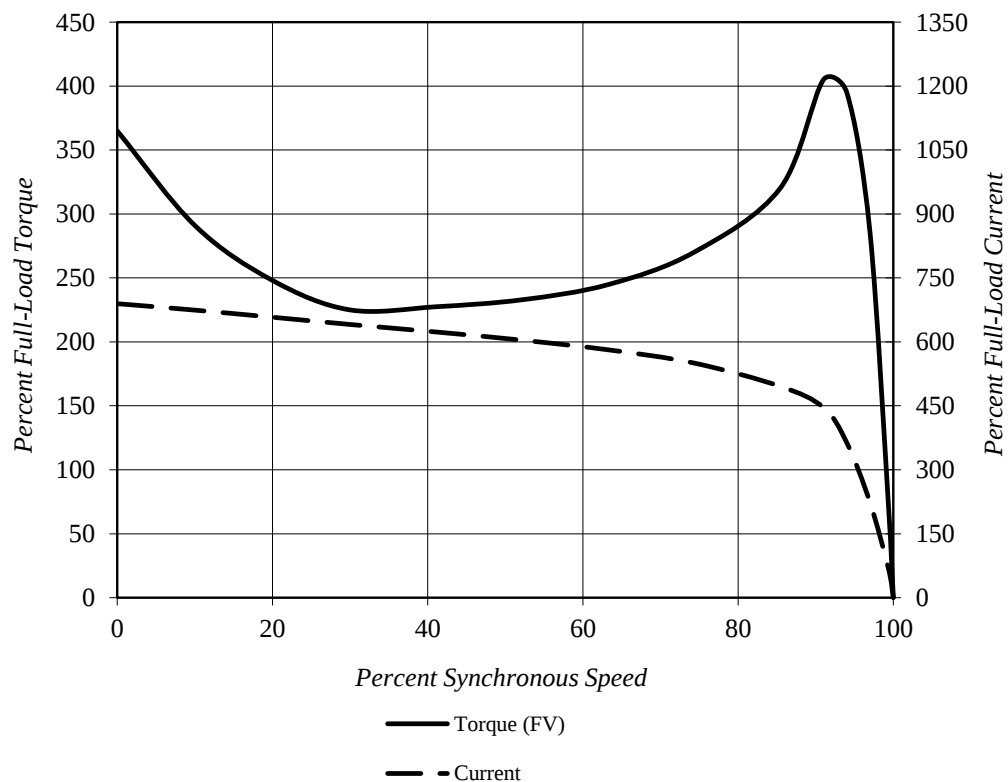
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0306SDMW7JS-P			FLAmps:	58
Enclosure:	TEFC	Voltage:	415 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	30	Rotor Inertia:	18.7 lb-ft ²	Date:	9/14/2020
FLRPM:	985	Load Inertia:	N/A	File:	GH6030 (30kW)

Locked Rotor Amps:	400 A	Load Type:	N/A
Locked Rotor Torque:	365%	Starting at:	N/A
Breakdown Torque:	405%	Accel. Time:	N/A
Rated Torque:	214 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

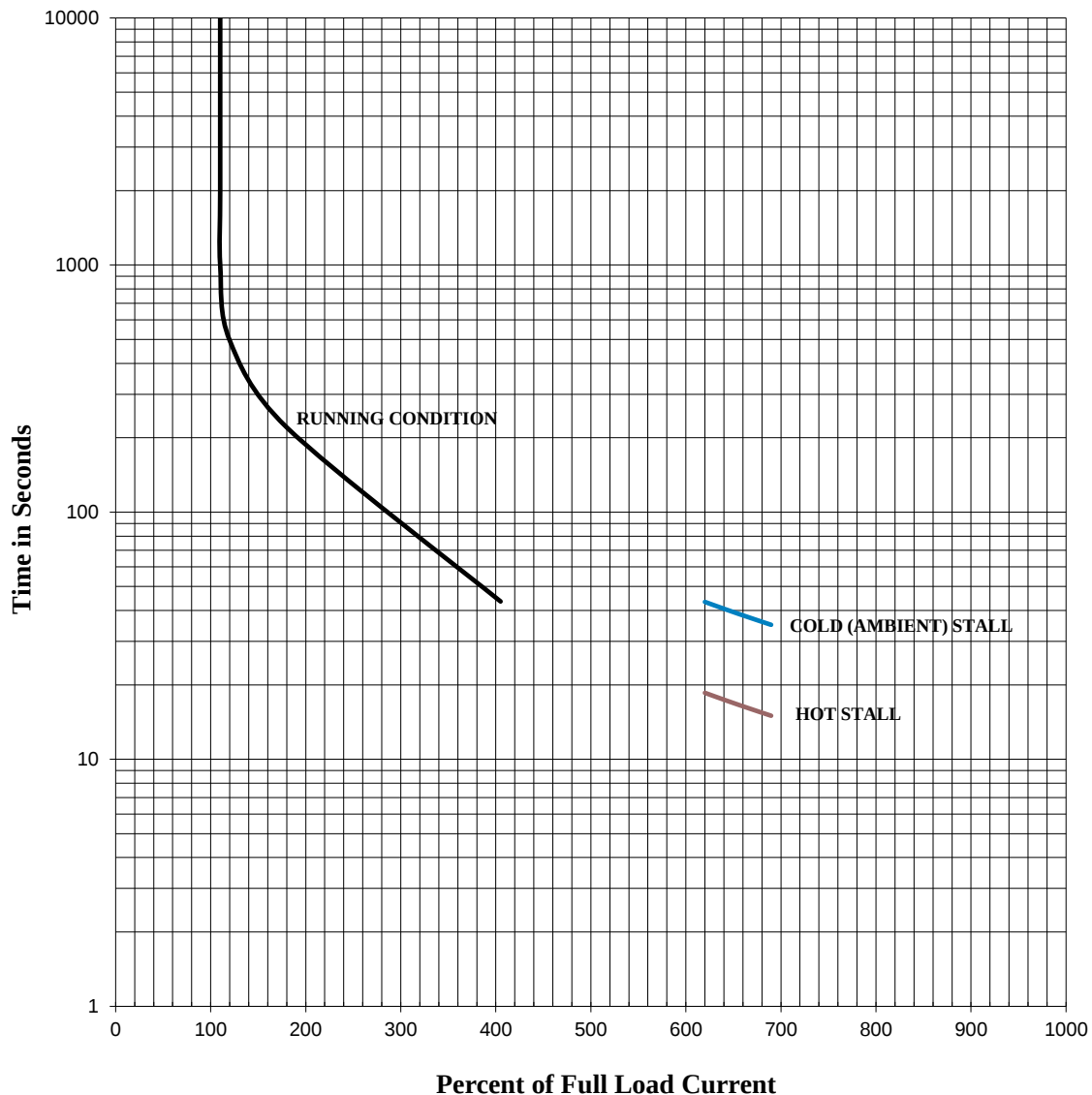
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0306SDMW7JS-P			FLAmps:	58
Enclosure:	TEFC	Voltage:	415 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	30	Rotor Inertia:	18.7 lb-ft ²	Date:	9/14/2020
FLRPM:	985	Load Inertia:	N/A	File:	GH6030 (30kW)



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

Checked by:

TOSHIBA INTERNATIONAL CORPORATION Industrial Division / Houston Motor Plant SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS	INDEX	MPCF-1033
	SHEET NO.	1 of 1
	ISSUED	7/31/13
	SUPERSEDES	11/8/96
	REVISION	2
	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA			
H.P.: -	VOLTS: 380	3 PH / 50 Hz	S. RPM: 1000
FRAME: 225S	ENCL: TEFC	FLAMPS: 61	FLRPM: 980
FORM: FBKL1	S.F.: -	IEC DESIGN N	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: -	DUTY: Cont.
MODEL No.: 0306SDMW7JS-P		kW: 30	
NOM. EFF.: 92.9	MIN. EFF.: -	cosØ 0.80	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 360	FULL LOAD (lb-ft.): 215	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 295	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 350	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.0	FULL LOAD: 80.2
3/4 LOAD: 93.7	3/4 LOAD: 75.4
1/2 LOAD: 92.4	1/2 LOAD: 65.4

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT. THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%. * TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12 OR -20. ** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).
--

CERTIFIED BY: Zichao Xie

DATE: 9/11/2020

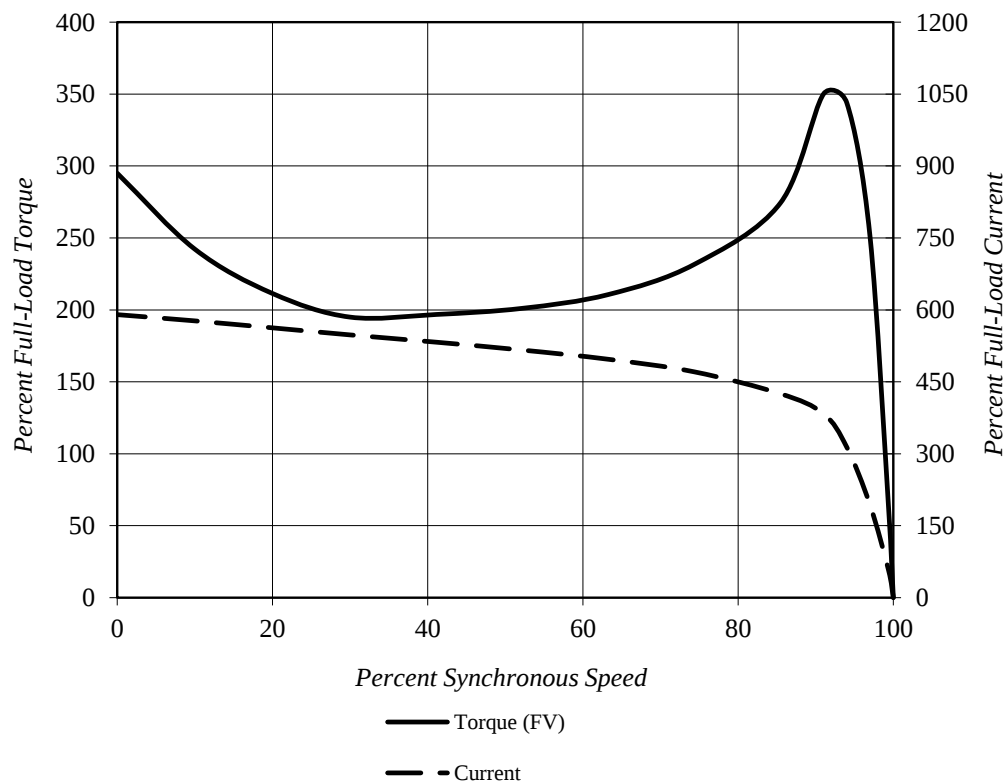
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0306SDMW7JS-P			FLAmps:	61
Enclosure:	TEFC	Voltage:	380 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	30	Rotor Inertia:	18.7 lb-ft ²	Date:	9/11/2020
FLRPM:	980	Load Inertia:	N/A	File:	GH6030 (30kW)

Locked Rotor Amps:	360 A	Load Type:	N/A
Locked Rotor Torque:	295%	Starting at:	N/A
Breakdown Torque:	350%	Accel. Time:	N/A
Rated Torque:	215 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

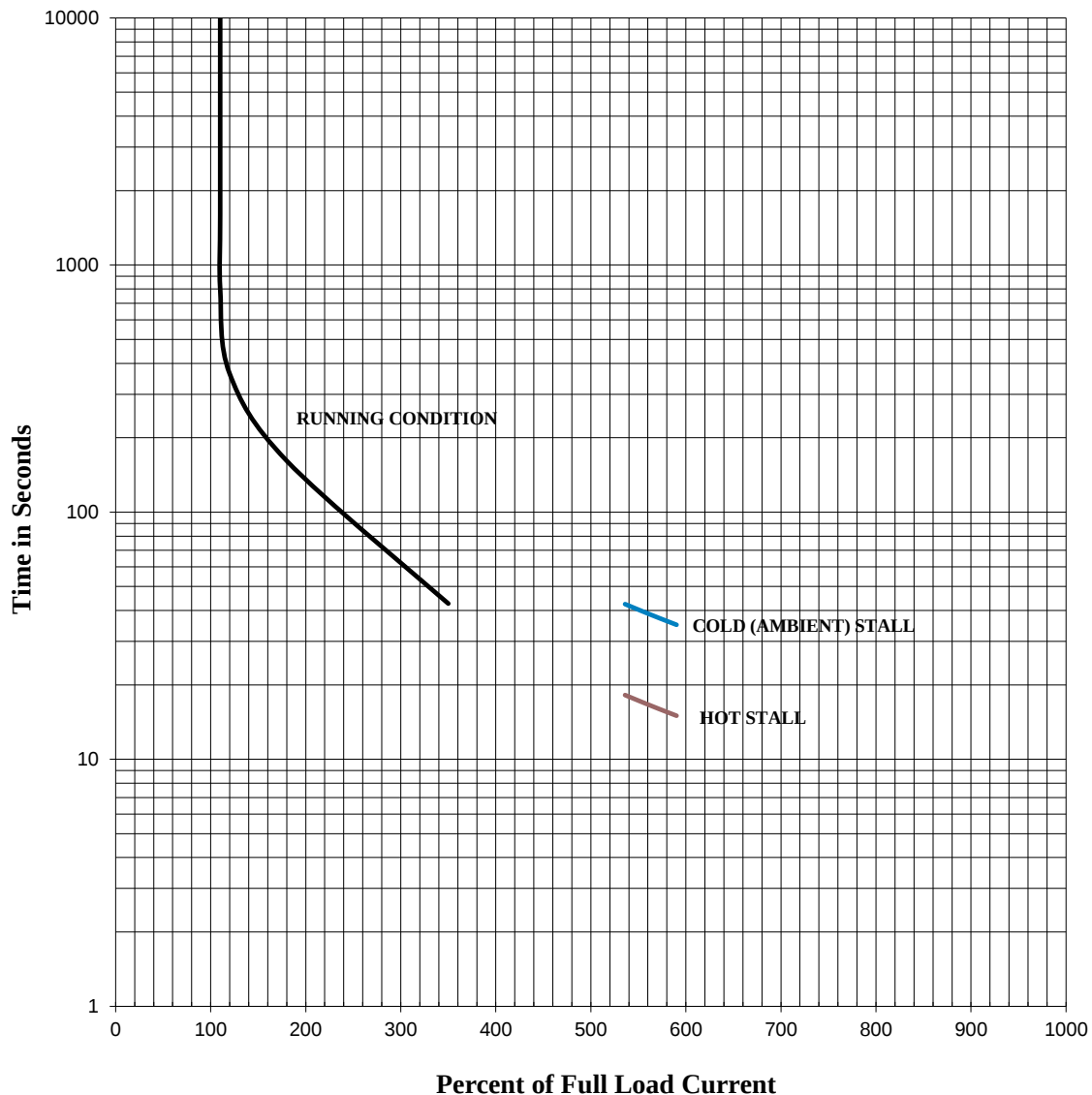
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TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0306SDMW7JS-P			FLAmps:	61
Enclosure:	TEFC	Voltage:	380 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 50 Hz	Ins. Class:	F
KW:	30	Rotor Inertia:	18.7 lb-ft ²	Date:	9/11/2020
FLRPM:	980	Load Inertia:	N/A	File:	GH6030 (30kW)



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

Checked by:

TOSHIBA INTERNATIONAL CORPORATION Industrial Division / Houston Motor Plant SQUIRREL CAGE INDUCTION MOTOR PERFORMANCE SPECIFICATIONS	INDEX	MPCF-1033
	SHEET NO.	1 of 1
	ISSUED	7/31/13
	SUPERSEDES	11/8/96
	REVISION	2
	WRITTEN BY	MDC
	APPROVED BY	PAA

CUSTOMER: -
TIC SR No.: -

MOTOR NAMEPLATE DATA			
H.P.: 40	VOLTS: 460	3 PH / 60 Hz	S. RPM: 1200
FRAME: 225S	ENCL: TEFC	FLAMPS: 52	FLRPM: 1185
FORM: FBKL1	S.F.: 1.15	NEMA DESIGN: A	INSUL CLASS: F
TYPE: TKKH	AMB.: 40°C	CODE: L	DUTY: Cont.
MODEL No.: 0306SDMW7JS-P		kW: 30	
NOM. EFF.: 94.1	MIN. EFF.: -	P.F.: 76.0	

AMPERAGE	TORQUES	**BEARINGS:
LOCKED ROTOR: 499	FULL LOAD (lb.-ft.): 178	DRIVE END: REFER TO NP
	LOCKED ROTOR (%): 410	OPPOSITE DRIVE END: REFER TO NP
	BREAK DOWN (%): 410	

EFFICIENCY	POWER FACTOR
FULL LOAD: 94.8	FULL LOAD: 76.0
3/4 LOAD: 94.1	3/4 LOAD: 69.9
1/2 LOAD: 92.1	1/2 LOAD: 58.4

ALL CHARACTERISTICS ARE AVERAGE EXPECTED VALUES BASED UPON RATED VOLTAGE, FREQUENCY AND SINEWAVE POWER INPUT. THE DECLARED LOCKED ROTOR CURRENT HAS A TOLERANCE OF 20%. * TEMPERATURE RISE WILL BE CONSISTENT WITH INSULATION, AMBIENT AND SERVICE FACTOR AS DEFINED BY NEMA-MG-12 OR -20. ** BEARINGS ARE THE ONLY RECOMMENDED SPARE PART(S).
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CERTIFIED BY: Zichao Xie

DATE: 9/11/2020

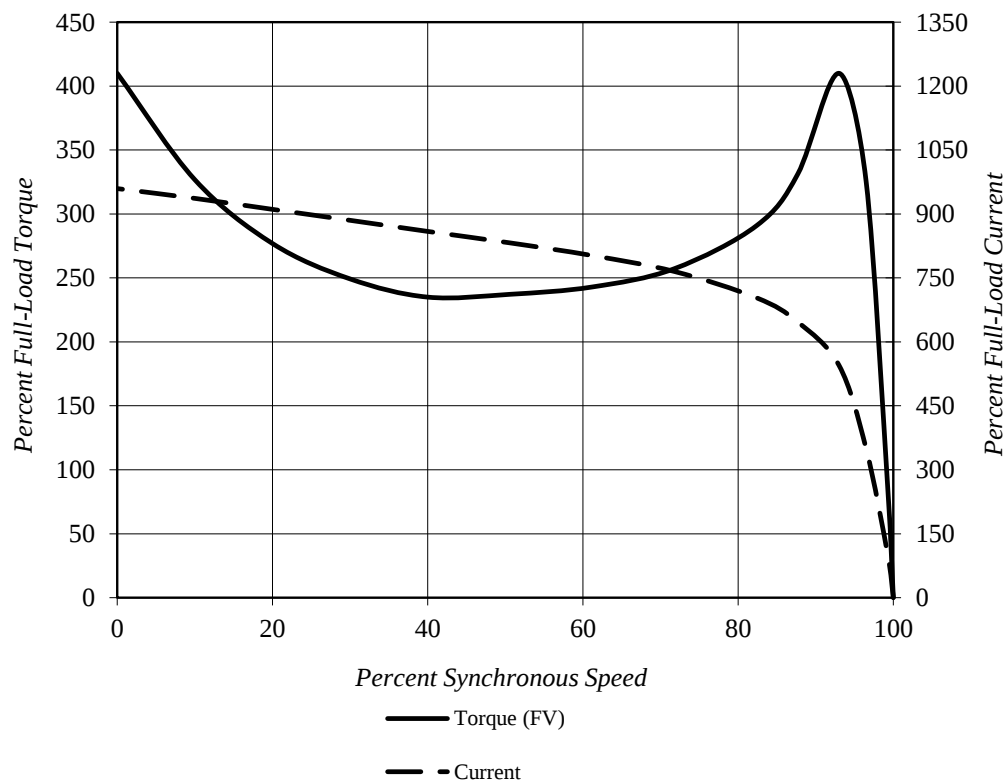
TOSHIBA INTERNATIONAL CORPORATION

Speed Torque/Current Curve

Model #:	0306SDMW7JS-P			FLAmps:	52
Enclosure:	TEFC	Voltage:	460 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	40	Rotor Inertia:	18.7 lb-ft ²	Date:	9/11/2020
FLRPM:	1185	Load Inertia:	N/A	File:	GH6030 (30kW)

Locked Rotor Amps:	499 A	Load Type:	N/A
Locked Rotor Torque:	410%	Starting at:	N/A
Breakdown Torque:	410%	Accel. Time:	N/A
Rated Torque:	178 lb-ft		

Design Values



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

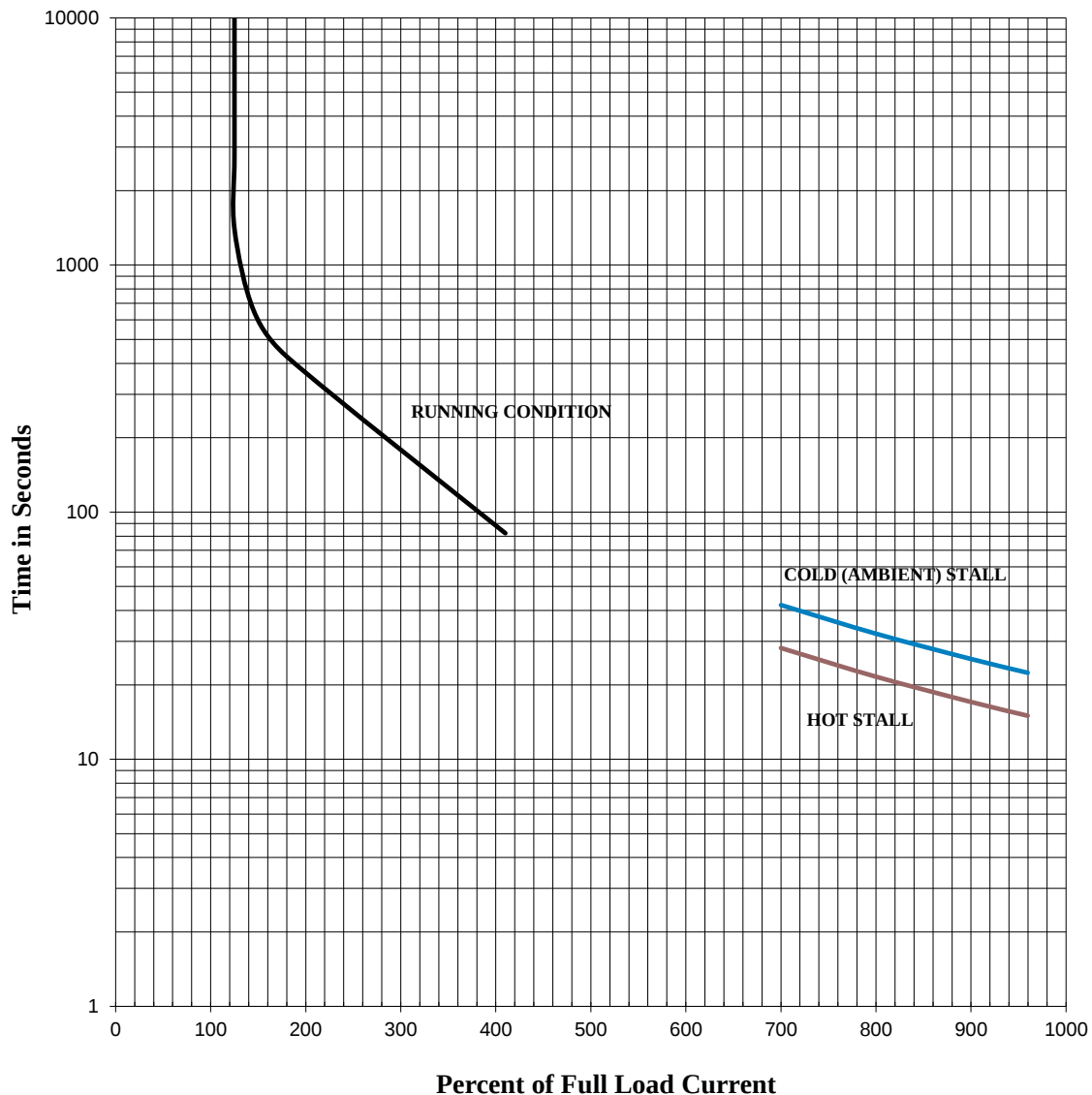
Checked by:

TOSHIBA INTERNATIONAL CORPORATION

Thermal Limit & Acceleration Curves

Design Values (For Reference Only)

Model #:	0306SDMW7JS-P			FLAmps:	52
Enclosure:	TEFC	Voltage:	460 V	Frame:	225S
Pole:	6	Frequency:	3 PH / 60 Hz	Ins. Class:	F
HP:	40	Rotor Inertia:	18.7 lb-ft ²	Date:	9/11/2020
FLRPM:	1185	Load Inertia:	N/A	File:	GH6030 (30kW)



Comments: PROJECT -

D.E.Curve #: GH6030 (30kW)

Prepared by: Zichao Xie

Checked by: